

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065120007-8

ZILAHI-SEBESS, Laszlo, dr.

Determination of regional and residual anomalies by computers.  
Geofiz kozl 13 no.3:305-313 '64.

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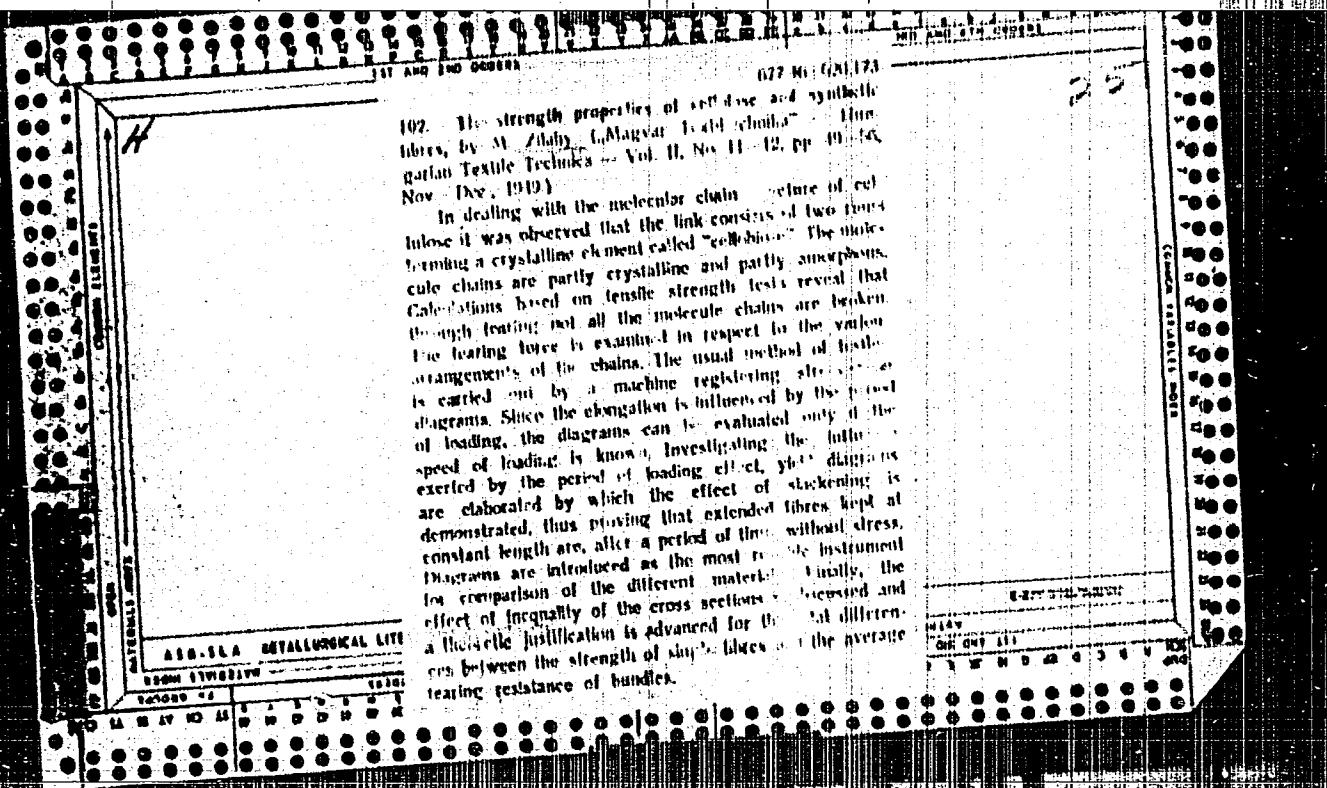
CIA-RDP86-00513R002065120007-8

ZILAHY, Istvan

Architects on the sanitary engineering of hotels. Epuletgeszeti  
11 no.4;127-128 S '62.

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CIA-RDP86-00513R002065120007-8"



HUNGARY/Cultivated Plants - Fruits. Berries.

M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82552

Auithor : Zilai, Janos

Inst

Title

: Afus Ali and Erzhebet Kiral'ne Mleke Grappe Varieties

Orig Pub : Kerteszet es szoleszet, 1957, 6, No 7, 12-13

Abstract : Results of the observations of many years showed that the varieties Afus Ali and Erzhebet Kiral'ne do not differ from each other in the structure of the vegetative organs (the Afus Ali variety is known in USSR under the name Karaburnu). On plantations in Hungary, variety Afus Ali varies in the shape of the berries, periods of ripening and the structure of the berries. 3 types of Afus Ali variety are distinguished by the form of the berries: Cylindrical, oval and rounded. The most valuable one is the cylindrical type. It matures earliest, the berries are of golden-yellow color, fleshy, transportable. The

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HUNGARY/Cultivated Plants - Fruits. Berries.

M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82552

rounded type ripens 15-18 days later, berries are of  
green color, juicy, less transportable. ... F.Ye.  
Grabar'

Card 2/2

ZILAI, Zoltan, dr.; FLAM, Tamas, dr.

Cervical mucus smear as the simplest pregnancy test.  
Orv. hetil. 98 no.23:621-623 9 June 57.

1. A Kossuth Zsuzsanna Korhaz Szulo-nobetege Osztalyanak  
kozleménye.

(PREGNANCY TESTS

cervical mucus crystallization test as simplest method  
(Hun))

(CERVIX, UTERINE

mucus crystallization as simplest pregn. test.(Hun))

ZILAHI, Zoltan, dr.; NEMES, Janos, dr.; STMFANICS, Janos, dr.

Cancer of the rectum as complication in delivery. Orv. hetil.  
106 no.4:169-171 24 Ja '65

1. Budapesti XX. ker. Szulo- es Nobetegkorhaz (igazgato: Nemes,  
Janos, dr) es Budapesti Orvostudomanyi Egyetem, III. Sebészeti  
Klinika (tanszekvezeto: Stefanics, Janos. dr.).

ZILAK, KAREL

"Nove zpusoby prace v drevoprumyslu. (Vyd. 1.) Praha, Statni nakl.  
technicke literatury, 1958. (New methods of work in the wood-working  
industry. 1st ed. illus., diagrs., tables.)"

118 p.(Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9,  
September 1958

MANKA, I.; ZILAK, O.

Relaxants in our gynecological practice. Cesk. gyn. 28 no.5:  
343-347 Je '63.

I. Izen. a por. klin. lek. fak. UK v Bratislave, prednosta  
prof. dr. S. Stefanik.  
(GYNECOLOGY) (DECAMETHONIUM COMPOUNDS)  
(TUBOCURARINE) (GALLAMINE TRIETHIODIDE)  
(SUCCINYLCHOLINE) (LAPAROTOMY)

ZILAKI, Marton; GLOWACKA, St. [translator]

Correct determination of irregularities of spinning products.  
Przegl wlokiennictwa 16 no.7/8:379-383 Jl-Ag '62.

1. Instytut Wlokiennictwa, Budapest.

GETLIK, A.; KRATINA, V.; ZILAKOVA, M.

Appendicitis in a hernia of a 28-day-old infant. Cesk. pediat. 16  
no.9:837-838 S '61.

1. Slovensky ustav pre doskolenie lekarov v Trencline, pediatricka  
katedra, veduci dr. A. Getlik Chirurgicke odd. OUNZ v Trencline, pred-  
nosta dr. S. Omanik.

(APPENDICITIS in inf & child)  
(HERNIA INGUINAL in inf & child)

ZILANOV, V.K.

Atlantic cod (Gadus morhua morhua Linne) over the great depths  
of the open sea. Zool. zhur. 42 no.7:1108-1109 '63.

(MIRA 17:2)

1. Polyarnyy nauchno-issledovatel'skiy institut morskogo  
rybnogo khozyaystva i okeanografii, Murmansk.

ZILAUTSS, A. [Zilaucs, A.]

Relationship between the intensities of stresses and deformations in the plasticity theory. Izv. AN Latv. SSR no.5:51-56  
'63. (MIRA 17:1)

Method of determining more ...

S/197/62/000/008/002/003  
B117/B186

parameters. The parameters  $a$  were determined from this system by the method of least squares. On comparing the values of  $a$  obtained according to the theory of slip, it is obvious that these parameters cannot be considered as constants for the material. It is demonstrated that the difference in the function of local deformations, observed by I. Iosimura during tensile and pure shear tests, depends on how many terms of the polynomial are used for calculation. The difference will be small enough if two or three terms are used, one of which must be a zero term  $a_0$  which is independent of  $\tau$ . Allowance for  $a_0$  confirms the sudden development of FLD. The results suggest that local shear deformations are a function of both tangential and normal stress, and that they depend as a whole on the stress tensor. There are 3 figures and 3 tables. The English-language reference is: S. B. Batdorf, V. A. Budiansky. A mathematical theory of plasticity based on the concept of slip NACA TN, 1871, 1949.

ASSOCIATION: Institut stroitel'stva i arkhitektury AN Latv. SSR  
(Institute of Construction and Architecture AS LatSSR)

SUBMITTED: February 3, 1962

Card 2/2

ZILAUTSIS, A. [Zilaucis, A.]; TABUN, V.

Method of precise expression of local deformation functions.  
Vestis Latv ak SSR no.8:55-60 '62.

1. Institut stroitel'stva i arkitektury AN Latviyskoy SSR.

ZILAUTSIS, A. [Zilaucis, A.]; MALMEYSTER, A. [Malmeisters, A.]

Law of simple loading in the theory of local deformation.  
Vestis Latv ak no.2:69-74 '62.

KUNNOS, G. [Kunnoss, G.] (Riga); ZILAUTSS, A. [Zilaucs, A.] (Riga)

On the method of calculation of influence of the mass of particles  
of vibrating concrete mixture. In Russian. Vestis Latv ad no.5:  
43-48 '60. (KEAI 10:7)

1. Akademiya nauk Latviyskoy SSR, Institut arkitektury i  
stroitel'stva.  
(Vibrated concrete)

L 9827-63

EMP(r)/EMT(n)/BDS--AFFTC/APCC -EM

ACCESSION NR: AP3003172

S/0197/63/000/005/0051/0056

AUTHOR: Zilantss, A.

52

TITLE: Relationship between stress and strain intensities in the theory of  
plasticity 26

SOURCE: AN LatSSR. Izv., no. 5, 1963, 51-56

TOPIC TAGS: plastic-stress intensity, plastic-strain intensity, plastic stress-strain relationship

ABSTRACT: It has been ascertained that the relationship between stress and strain intensities is independent of the state of stress (i.e., of W. Lode's stress parameter  $\mu_u$ ) under the following conditions of simple (proportional) strain paths: 1) the volumetric strain is elastic; 2) the principal axes of the stress tensor are parallel to the principal axes of the strain intensity at a certain point; 3) the yield surface is convex for the given material. The parameter  $\mu_u$  is expressed in terms of principal tangential stresses  $\sigma_{ij}$  and varies from -1 to +1; thus, it is applicable to any arbitrary state of stress. An expression for stress intensity is derived as a function of  $\mu_u$  and  $\mu_s$ . The Lode strain

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L 9827-63

ACCESSION NR: AP3003172

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parameter  $\text{Nu}$ , expressed in terms of principal shear strains  $\text{Gamma}$ , is used in an analogous manner to deduce an expression for strain intensity as a function of  $\text{Gamma}$  and  $\text{Nu}$ . The functional dependence between stress and strain intensities is approximated by a polynomial, and an expression for maximum  $\text{Gamma}$  in the form of a series of powers of maximum  $\text{Tau}$  is obtained. Another such series for maximum  $\text{Gamma}$  is obtained by means of the theory of local deformations. By equating the corresponding terms of both series, their coefficients are determined. It is proven that these coefficients, and consequently the relationship between stress and strain intensities, as well as the deformation function, are independent of the type of material tested. Simple relationships are obtained which allow the determination of the stress and strain values from the formulas and a table. Dr. E. M. Pechhold, Jan. 25, 1963.

ASSOCIATION: none

SUBMITTED: 25Jan63 DATE ACQ: 23Jul63

ENCL: CO

SUB CODE: 00

NO REF SCV: 006

OTHER: 002

ja/nh

Card 2/2

KOREN, K.; MESKOVA, M.; BRIX, M.; ZILAVY, S.; CANO, M.

Metabolism of glycides in patients following stomach resection  
for gastroduodenal ulcer. Bratisl Lek. Listy 44 no.7:422-428 '64.

1. I chirurgicka klinika Lek. fak. Univerzity Komenskeho v  
Bratislave (veduci prof. MUDr. K. Carsky).

BRIX, M.; ZILAVY, S.; OHRADKA, B.; CHYLO, E.

Prevention of postoperative disorders in water and electrolyte metabolism. Bratisl.Lek. Listy 44 no.7;397-403 '64.

1. I. chirurgicka klinika Lek. fak. Univerzity Komenskeho  
v Bratislave (veduci prof. MUDr. K. Carsky).

DZURIK, Rastislav; KRAJCI-LAZARY, Bartolomej; BRIX, Milos, KOREN, Karol;  
ZILAVY, Stefan.

The glucose, lactic and free fatty acids uptake by the dog  
kidneys. Biologia (Bratisl.) 19 no.3:186-191 '64.

1. From the Third Medical and First Surgical Clinics, Komen-  
sky University Medical School, Bratislava, Czechoslovakia.

\*

SOV/125-12-4-18/18

AUTHOR: Zil'ban, M.

TITLE: Conference of Readers of the Periodical "Avtomati-  
cheskaya svarka".

PERIODICAL: Avtomaticheskaya svarka, 1959, Vol 12, Nr 4, pp 94-95  
(USSR)

ABSTRACT: A conference for readers of "Avtomaticheskaya svarka"  
was held on March 12, 1959 in Khar'kov. About 150  
people participated. The chief editor, Academician of  
the AS UkrSSR B.V. Paton gave a report on the work of  
the staff and especially the editor I.I. Frumin. He  
mentioned the popularity of the periodical, not only  
with the USSR, but also Red China, England, the USA,  
Canada and many other countries. Other speakers were:  
Candidate of Technical Sciences Savchenko (Ukrainian  
Metal Institute - Ukrainskiy institut metallov); Mos-  
hovinskij (Lugansk Plant imeni Parkhomenko); Cand-  
idate of Technical Sciences Kulakova (NTO Mashprom);  
Yudakov Kazakov (Moscow Technological Institute for  
Meat and Milk Production - Moskovskiy technologicheskiy

Card 1/2

Conference of Readers of the Periodical "Avtomatischekaya svarka" SOV/125-12-4-18/18

institut myasnoy i molochnoy promyshlennosti). Other participants were: Stepanov, Tselololo, Engineer Sergi-yenko (Khar'kov factory imeni Malyshova - Khar'kovskiy zavor im. Malyshova) and Engineer Akkurathova (Kiyevo-kiy Sovnarkhoz). The journal's staff appealed to all higher educational institutes to deal with the question of the engineer-welder training on a wider basis.

Card 2/2

USCQMM-DC-60,851

KHARAMOV, O.O.; GORELIK, L.Ye., kand.ekon.nauk, redaktor; ZIL'BAN, M.S.,  
redaktor; RAKHLINA, N.P., tekhnod.

[Prospects of developing a building materials industry near the  
construction site of the Kakhova Hydroelectric Power Station and  
of the South Ukrainian canal] Perspektyvy rozv'ytku promyslovoosti  
budievel'nykh materialiv u zoni sporudzhennia Kakhovs'koi GES i  
Pivdenno-Ukrains'kogo kanalu. Kyiv, Vid-vo Akademii nauk Ukr.RSR,  
1952. 33 p.

(MLRA 8:2)

(Ukraine--Building materials industry)

DUMANSKIY, A.V.; DUMANSKIY, I.A.; FIALKOV, Ya.A., otvetstvennyy redaktor;  
ZIL'BAN, M.S., redaktor; KRYLOVSKAYA, N.S., tekhnicheskii re-  
daktor.

[Bibliographical essay on the development of Soviet colloid  
chemistry] Bibliograficheskii ocherk razvitiia otechestvennoi  
kolloidnoi khimii. Izd. 2-oe. Kiev, Izd-vo Akademii nauk USSR.  
No.1. 1952. 147 p. (MIRA 9:6)

1.Chlen-korrespondent Akademii nauk Ukrainskoy SSR.(for Fialkov).  
(Bibliography--Colloids)

NESTERENKO, A.D.; OKULOV, P.V., professor, otvetstvennyy redaktor;  
ZIL'IAN, M.S., redaktor; RAKHLINE, N.P., tekhnicheskiy redaktor.

[Principles of calculations for electric measurement circuits for  
equilibration instruments] Osnovy rascheta elektroismeritel'nykh skhem  
uravnoveshivaniia. Kiev. Izd-vo Akademii nauk Ukrainskoj SSR. 1953.  
446 p.

(MIRA 8:1)

(Electric measurements)

UL'YANOVA, A.D., inzhener; DONCHAK, V.S., otvetstvennyy redaktor; ZIL'BAN,  
M.S., redaktor; RAKHLINA, N.P., tekhnicheskiy redaktor.

[Progressive practice of innovator metal workers; bibliographic  
index] Perekovoi opyt novatorov-metallurgov; bibliograficheskii  
ukazatel'. Kiev, Izd-vo Akademii nauk Ukrainskoj SSR, 1954. 50 p.  
(MLRA 8:2)

1. Kiyev. Derzhavna publichna biblioteka.  
(Bibliography--Metal industries)

SECHERBAN', Aleksandr Nazarovich; YAGEL'SKIY, Anatoliy Naumovich;  
BARATOV, Emil' Iosifovich; ZIL'BAN, M.S., redaktor; KRYLOVSKAYA,  
N.S., tekhnicheskiy redaktor.

[Simplified methods of making heat calculations for mine ventilation  
in Donets Basin coal mines] Uproshchennye sposoby teplovyykh rasche-  
tov rudnichnogo vozdukha v shakhtakh Donbassa, Kiev, Izd-vo Akad.  
nauk UGSSR, 1954. 126 p. (MIRA 8:2)  
(Mine ventilation)

YURK, Yu.Yu.; SEMENENKO, N.P., otvetstvennyy redaktor; ZIL'IAN, M.S.  
redaktor; SIVACHENKO, Ye.K., tekhnicheskiy redaktor

[Petrology of the Uman' and Antonovsk plutonic granite] Petrologiya  
umanskogo i antonovskogo granitnykh plutonov. Kiev, Izd-vo Akademii  
nauk Ukrainskoj SSR, 1954. 301 p. (MIRA 7:9)

1. Deystvitel'nyy chlen AN USSR (for Semenenko)  
(Kiev District--Granite) (Granite--Kiev District)

GONCHAROV, Andrey Ivanovich, kandidat khimicheskikh nauk; OVCHARENKO, F.D., kandidat khimicheskikh nauk, redaktor; ZILUBAN, M.S., redaktor; SIVACHENKO, Ye.K., tekhnicheskiy redaktor

[Bentonite as a valuable mineral raw material] Bentonity - tsen-noe mineral'noe syr'e. Kiev, Izd-vo Akademii nauk Ukrainskoi SSR, 1955. 27 p.

(MIRA 9:3)

(Bentonite)

FRANTSovich, Ivan Nikitich; CHERNOVOL, Vasiliy Semenovich; GKRINOV, Iosif Samoylovich; PILIPENKO, Nina Alekseyevna; YAGUPOL'SKAYA, Lidiya Naumovna; ZIL'BAN, M.S., redaktor; FEDORCHEKO, I.M., doktor tekhnicheskikh nauk, redaktor; RAKHLINA, N.P., tekhnicheskiy redaktor

[Over-all electric controlling of corrosion in the Dashava - Kiev gas pipe line] Kompleksnaya elektrozashchita gazoprovoda Dashava - Kiev ot korrozii. Kiev, Izd-vo Akademii nauk USSR, 1955. 30 p.  
(Corrosion and anticorrosives) (Gas, Natural--Pipelines)

(MIRA 9:3)

ZIL'BAN, M.S.

KARPENKO,G.V., doktor tekhnicheskikh nauk, professor, redaktor; SAVIN,G.N.  
redaktor; LOPATINSKIY,Ya.B., redaktor; LEONOV,M.Ya., doktor fiziko-  
matematicheskikh nauk, redaktor; MIKHYLOVSKIY,V.N., kandidat tekhnicheskikh  
nauk, redaktor; PARASYUK,O.S., kandidat fiziko-matematicheskikh  
nauk, redaktor; PANASYUK,V.V., kandidat fiziko-matematicheskikh  
nauk, redaktor; ZIL'BAN.M.S., redaktor; RAKHLINA,N.P., tekhnicheskiy  
redaktor

[Some problems in the fatigue of steel with calculation of the influence  
of active agents] Nekotorye voprosy ustalostnoi prochnosti stali s  
uchetom vlianiia aktivnoi sredy. Kiev, Izd-vo Akademii nauk USSR, 1955.  
48 p. (MIRA 9:3)

1. Akademiya nauk URSR, Kiyev. Institut mashinostroyeniya i avtomatiki.
2. Deystvitel'nyy chlen AN USSR (for Savin) 3. Chlen-korrespondent  
AN USSR (for Lopatinskiy) (Steel---Fatigue)

ZIL'BAN, M.S.

DOBROKHOTOV, Nikolay Nikolayevich; KOPTTOV, V.P., doktor tekhnicheskikh nauk, redaktor; ZIL'BAN, M.S., redaktor; SIVACHEUKO, Ye.K. tekhnicheskiy redaktor

[Use of thermodynamics in the metallurgy] Primenenie termodinamiki v metallurgii. Kiev, Izd-vo Akad.nauk USSR, 1955. 73 p.  
(Thermodynamics) (Metallurgy)

ZIL'BAN, M.S.

KACHANOVA, Nina Andreyevna; KRUTIKOVA, Valentina Yevgen'yevna; LIBEDEV, S.A., akademik, redaktor; ZIL'BAN, M.S., redaktor; RAKHIMA, N.I., tekhnolog, redaktor.

[Study of the means of improving the stability of long-distance alternating-current power transmission] Issledovanie sposobov povyshenija ustoichivosti dal'nikh elektroperedach peremennogo toka. Kiev, Izd-vo Akademii nauk Ukrainskoj SSR, 1955. 83 p. (MIRA 8:4)  
(Electric power distribution--Alternating current)

ZIL'IAN, M.-S.

BELYANKIN, Fedor Pavlovich; KORNOUKHOV, N.V., otvetstvennyy redaktor;  
ZIL'IAN, M.S., redaktor izdatel'stva; SHVARDOV, L.M., tekhnicheskiy  
redaktor

[The strength of wood cut with the grain] Prochnost' drovesiny pri  
skalyvaniy vdol' volokon. Kiev, Izd-vo Akademii nauk USSR, 1955.  
138 p.

(MIRA 9:11)

1. Deystvitel'nyy chlen Akademii nauk USSR i Akademii arkhitektury  
USSR (for Belyankin). 2. Deystvitel'nyy chlen AN USSR (for  
Kornoukhov)

(Wood--Testing)

SIROTA, Igor' Moiseyevich; TSUKERNIK, L.V., kandidat tekhnicheskikh nauk,  
redaktor; ZIL'IAN, M.S., redaktor; RAKHLINA, N.P., tekhnicheskiy  
redaktor

[Protection against grounding in electric power systems] Za-  
shchita ot zamykanii na zemliu v elektricheskikh sistemakh.  
Kiev, Izd-vo Akademii nauk USSR, 1955. 207 p. (MLRA 9:3)  
(Electric currents--Grounding) (Electric power distribution--  
High tension)

DINNIK, Aleksandr Nikolayevich; KUCHEROV, P.S., redaktor; PEN'KOV, A.M.,  
redaktor; GRISHKOVA, N.P., professor, redaktor; ZIL'IAN, M.S.,  
redaktor; SIVACHENKO, Ye.K., tekhnicheskiy redaktor

[Selected works] Izbrannye trudy. Kiev, Izd-vo Akademii nauk  
Ukrainskoi SSR. Vol.2.[Application of Bessel's functions to  
problems in the theory of elasticity] Prilozhenie funktsii  
besselia k zadacham teorii uprugosti. 1955. 220 p. (MIRA 9:3)

1. Chlen-korrespondent AN USSR (for Kucherov, Pen'kov)  
(Bessel's functions) (Elasticity)

FIDEL'SV, Aleksandr Savel'yevich; GARMASH, Nikolay Zakharovich; TUR'ENKO,  
Aleksandr Nikolayevich; KUCHEROV, P.S., otvetstvennyy redaktor;  
ZIL'BAK, M.S., redaktor izdatel'stva; ZHUKOVSKIY, A.D., tekhnicheskiy redaktor

[Research in excavating machinery] Issledovanie raboty zemleroinykh mashin. Kiev, Izd-vo Akademii nauk USSR, 1956. 65 p. (MLRA 9:12)

1. Chlen-korrespondent AN USSR (for Kucherov)  
(Excavating machinery)

KIKHIN, M.

PERSHIN, P.M., akademik, vidpovidal'nyy redaktor; ZIL'BAN, M.S., redaktor  
vidavnitsstva; KOLOMIYCHUK, V.O., tekhnicheskiy redaktor

[Labor and cost in collective farm production] Zatraty pratsi i  
sobivartist' sil's'kohospodars'koi produktsii v kolhospakh. Kyiv,  
1956. 78 p.  
(MLRA 10:8)

1. Akademiya nauk URSR, Kyiv. Institut ekonomiki. 2. Akademiya  
nauk URSR. (for Pershin)  
(Collective farms--Accounting)

FIDLEV, Aleksandr Savel'yevich; MOGILEVSKIY, Selenen Manuilovich; STYRENNO,  
Kenstantin Kenstantinevich; KUCHEROV, P.S., redaktor; ZIL'BAH, M.S.  
redaktor; RAKHLINA, N.P., tekhnicheskiy redaktor.

[Trolleytrucks for transportation in open-cut mines] Trolleyiveznyi  
kar'ernyj transport. Kiev, Izd-vo Akademii nauk USSR, 1956. 106 p.  
(MLRA 9:5)

1. Chlen-korrespondent AN U.S.S.R, (fer Kucherev)  
(Mine haulage) (Metertrucks)

ZIL'BAH, M.S.

SUKHOMEI, Georgiy Iosifovich; ZASS, Viktor Moysayevich; YANKOVSKIY, Lev Ignat'yevich; DIDEKOVSKIY, M.M., kandidat tekhnicheskikh nauk, otvetstvennyy redaktor; ZIL'BAH, M.S., redaktor izdatel'stva; BAKHINA, N.P., tekhnicheskiy redaktor

[Studies of movement of ships in a restricted channel] Issledovanie dvizheniya sudov po ogranicennym farvateram. Kiev, Izd-vo Akademii nauk Ukrainskoj SSR, 1956. 162 p. (MLRA 10:2)  
(Ships--Hydrodynamics)

MILYAKH, Aleksandr Nikolayevich; NESTERENKO, A.D., otvetstvennyy redaktor;  
ZIL'IAN, M.S., redaktor izdatel'stva; SIVACHENKO, Ye.K., tekhnicheskiy redaktor

[Fundamentals of a theory of electrodynamic systems with three degrees of freedom] Osnovy teorii elektrodinamicheskikh sistem s tremia stepeniami svobody dvizheniya. Kiev, Izd-vo Akademii nauk Ukrainskoj SSR, 1956. 182 p.

(MLRA 9:10)

1. Chlen-korrespondent AN USSR (for Nesterenko)  
(Electrodynamics) (Electric transformers)

ZIL'BA N, A.S.

SIGORSKIY, Vitaliy Petrovich; SINITSKIY, Lev Aronovich; KARANDEEV, K.B.,  
professor, redaktor; ZIL'BA N, M.S., redaktor izdatel'stva;  
SIVACHENKO, Ye.K., tekhnicheskij redaktor

[Magnitoelectric ratiometers] Magnitoelektricheskie logometry.  
Pod red. K.B. Karandeeva, Kiev, Izd-vo Akad. nauk USSR, 1956.  
196 p.

(MLRA 10:5)

(Electric measurements)

ZIL'BAN, M. S.

Call Nr: TJ213.184

AUTHOR: Ivakhnenko, A. G.

TITLE: Self-adjustable Systems of Automatic Control  
(Samonastraivayushchiyesya sistemy avtomaticheskogo  
regulirovaniya)

PUBLICATION DATA: Izdatel'stvo Akademii nauk Ukrainskoy SSR, Kiyev, 1957, 52 pp.,  
3,000 copies

ORIGINATING AGENCY: Akademiya nauk Ukrainskoy SSR, Institut Elektrotehniki

EDITOR: Zil'ban, M. S., Tech. Ed.: Rakhlina, N. P.

PURPOSE: The monograph is intended for engineers, technicians, and  
other persons working in the field of automatic control.

COVERAGE: The monograph presents the results of development of two new  
relay types of optimizing control systems. Similar systems  
were developed abroad and in the Soviet Union, in particular  
by A. I. Dryakhlov, E. A. Abov, V. V. Kozakevich, and  
D. I. Mar'yanovskiy. The theory of nonlinear automatic con-  
trol systems was developed in the USSR by Ya. Z. Tsypkin,  
L. S. Gol'dfarb, Ye. P. Popov, A. I. Lur'ye, V. A. Ryabov and

Card 1/4

## Self-adjustable Systems of Automatic Control (Cont.)

Call Nr: TJ213.I84

Institute of Electrical Engineering of the Ukrainian Academy of Sciences (pp. 20-22) and examples of optimizing control of this type are described; a device for measuring the efficiency of a steam boiler developed at the Kiyevenergo System by Yu. M. Bulavitskiy and G. A. Maralin and also at the L'vov Polytechnical Institute (p. 25). The relay systems presented by the author are based on regulation along the derivative from the actuating input (applying a rate generator) and on the use of memory devices. There are 23 references, 17 of which are USSR, 5 English and 1 translation.

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Call Nr: TJ213.184

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*Library*

FEDOROV, Mikhail Mikhaylovich; IL'ICHEV, A.S. redaktor [deceased];  
KHOMITShevICH, K.I., kandidat tekhnicheskikh nauk, redaktor;  
KUCHEROV, P.S., redaktor; FEDOROVA, Z.M., kandidat tekhnicheskikh  
nauk, redaktor; KUKETBKO, A.I., doktor tekhnicheskikh nauk,  
redaktor; KRYZHANOVSKIY, O.M., kandidat tekhnicheskikh nauk, redaktor  
SAVIN, G.N., akademik, otvetstvennyy redaktor; ZIL'IRAN, M.S.  
redaktor izdatel'stva; RAKHLINE, N.P., tekhnicheskiy redaktor

[Selected works in two volumes] Izbrannye trudy; v dvukh tomakh.  
Kiev, Izd-vo Akad. nauk USSR. Vol.1. 1957. 274 p. (MLRA 10:6)

1. Akademiya nauk USSR (for Savin). 2. Clen - korrespondent  
Akademii nauk SSSR (for Il'ichev). 3. Chlen-korrespondent Akademii  
nauk USSR (for Kucherov)  
(Mine hoisting)

L 21939-66 EWT(m)/EWP(v)/T/EWP(t)/EWP(k)  
ACC NR: AP60114463

JKT/JD/ML

SOURCE CODE: UR/0125/65/000/007/0020/0080

AUTHOR: Zil'ban, M. S.

ORG: none

TITLE: Cosmonaut visits the Institute of Electric Welding

SOURCE: Avtomaticheskaya svarka, no. 7, 1965, 80

TOPIC TAGS: cosmonaut, electron beam welding, resistance welding, pressure welding, diffusion welding, electroslag welding, academic personnel

ABSTRACT: On 15 May 1965, Cosmonaut V. M. Komarov visited the Institute of Electric Welding imeni Ye. O. Paton. During the visit he became acquainted with the laboratories of the institute where electron beam and electroslag welding and remelting, resistance, diffusion and pressure welding, etc., were demonstrated for his benefit.

At a meeting of institute workers the cosmonaut was introduced and welcomed by Academician B. Ye. Paton. After telling about the conquest of space, Komarov answered the worker's questions. He was then given an honorary Komsomol award by Yu. N. Yel'chenko, Secretary of the Ukrainian Komsomol. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 13, 22 / SUBM DATE: none

Card 1/1 ULR

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065120007-8

GOTAL'SKIY, Yu.N.; ZIL'BAN, M.S.

Branch conferences on the technology of boiler making.  
Avtom. svar. 17 no.9:94-95 S '64. (MIRA 17:10)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065120007-8"

ZIL'BAN, M.S.

Third conference of Siberian welders. Avtom.svar.  
15 no.10:95-96 0 '62. (MIRA 15:11)  
(Welding—Congresses)

ZIL'BAN, M.S.

In the scientific council of the Institute of Electric Welding.  
Avtom. svar. 15 no.8:95-96 Ag '62. (MIRA 15:7)  
(Dissertations, Academic)

S/125/62/000/008/008/008  
DO40/D113

AUTHOR: Zil'ban, M.S.

TITLE: At the Scientific Council of the Electric Welding Institute

PERIODICAL: Avtomaticheskaya svarka, no. 8, 1962, 95-96

TEXT: The Joint Scientific Council of the Institut elektrosvarki im. Ye. O. Patona (Electric Welding Institute im. Ye.O.Paton) considered and approved the following 3 dissertations: B.S.Kasatkin, Candidate of Technical Sciences, for the degree of Doctor of Technical Sciences, "The Micromechanism of Brittle Failure in Low-Carbon Steel". The official opponents were I.A.Oding, Corresponding Member of the AS USSR, G.S.Pisarenko, Corresponding Member of the AS UkrSSR, S.V. Malashenko, Doctor of Technical Sciences, and T.A.Vladimirskiy, Doctor of Technical Sciences; O.K.Nazarenko, for the degree of Candidate of Technical Sciences, "A Study of the Electronic-Optical Systems of Welding Electron Guns". The opponents were V.K.Lebedev, Doctor of Technical Sciences, and I.V.Akalovskiy, Candidate of Technical Sciences.

Card 1/2

At the Scientific Council ...

S/125/62/000/008/008/008  
DO40/D113

Sciences; Yu.D.Gamzayev, Engineer of the Giprosantekhprom, Leningrad, for  
the degree of Candidate of Technical Sciences, "Means of reducing the  
Deformation of Thin-Sheet Light-Alloy Structures in Argon Arc Welding".

Card 2/2

ZIL'BAN, M.S.

Readers' conference in Leningrad. Avtom. svar. 15 no.1:95-96  
Ja '62. (MIRA 14:12)  
(Electric welding--Periodicals)

ZIL'BAN, M.S.

Conference among Kuybyshev and Sverdlovsk readers. Avtom. svar.  
15 no.2:95-96 F '62. (MIRA 15:1)  
(Electric welding--Periodicals)

ZIL'BAN, M.S.

In the learned council of the Institute of Electric Welding.  
Avtom. svar. 14 no.4:96 Ap '61. (MIRA 14:4)  
(Electric welding)

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R002065120007-8

ZELMAN, M.S.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R002065120007-8"

KOVSHULYA, O.A.; GARMASH, M.Z. [HARMASH, M.Z.]; XIL'DAN, M.S.

[Russian-Ukrainian mining dictionary] Rossiis'ko-ukrains'kyi  
hirnychyi slovnyk. 20000 terminiv. Kyiv, Vyd-vo Akad.nauk  
URSR, 1959. 271 p.

(MIRA 14:4)

(Russian language--Dictionaries--Ukrainian)  
(Mining engineering--Dictionaries)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065120007-8

ZIL'BAN, M. S.

Valuable Initiative of the Directional Command (a Yacht League Auto)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065120007-8"

S/125/60/000/05/15/015

AUTHOR: Zil'ban, M. S.

TITLE: On the Scientific Council of the Electric Welding Institute

PERIODICAL: Avtomaticeskaya svarka, 1960, No. 5, pp. 95-96

TEXT: Three dissertations for the title of Candidate of Technical Sciences were defended in January-February 1960 at the Scientific Council of the Institut elektrosvarki im. Ye. O. Patona AN USSR (Electric Welding Institute imeni Ye. O. Paton AS UkrSSR) and the title was granted. Junior Staff Member of the Electric Welding Institute, Yu. V. Latash, presented a dissertation on "Improving the Quality of Steel and Alloys by Electroslag Welding Process (Electroslag Remelting of Fusing Electrodes)", i. e. a new method for producing high-quality alloyed steel and alloys by remelting fusing electrodes in a metal crystallizer cooled with water in an electroslag process. The official opponents as well as Academician of AN USSR (AS UkrSSR) B. Ye. Paton, Corresponding Member of AS UkrSSR, B. D. Grozin and others stressed the great importance of the dissertation subject for the USSR economy. The second dissertation, by Engineer A. G. Potap'yevskiy, was "Investigation of the Thin-Sheet Steel Welding Process".

Card 1/3

S/125/60/000/05/15/015

## On the Scientific Council of the Electric Welding Institute

in Carbon Dioxide Medium". It generalized data obtained by investigations and industrial application of the process, with the use of electrode wire 0.5 to 1.2 mm thick, which is now being widely applied in the industry and construction work and which has raised the work efficiency 2 to 15 times, reduced the deformations, and improved the working conditions. The official opponents were Doctor of Technical Sciences G. I. Pogodin-Alekseyev, Candidate of Technical Sciences F. I. Petrenko, and Chief Welding Engineer of the Kiyev Sovnarkhoz, S. N. Akkuratnova. Academician of AS UkrSSR, B. Ye. Paton, Engineer I. I. Dzhevaga (of Works imeni Nosenko), Engineer V. S. Ubel' (of "Leninskaya Kurnitsa" works), Senior Foreman S. A. Monoylo (from Works imeni Artema) and others evaluated the work. The third dissertation, by Engineer S. I. Kuchuk-Yatsenko, was "Investigation of Resistance Butt Welding by Continuous Fusion of Solid and Thick-Wall Workpieces of Carbon Steel", proving that this process with program voltage reduction raises the productivity and gives a heated zone considerably increased, which makes it applicable for welding large workpieces. The official opponents were Doctor of Technical Sciences F. I. Kislyuk, Candidate of Technical Sciences V. E. Moravskiy.

Card 2/3 ✓

S/125/60/000/05/15/015

On the Scientific Council of the Electric Welding Institute

and Engineer-Colonel M. P. Korneyev. Candidate of Technical Sciences  
A. M. Lebedev (of TsNII MPS) took part in the discussion. Theoretical  
and practical value of the work was emphasized. New rail welding  
machines built for the method suggested require only one third of the  
power, their productivity is doubled and the weight seven times less  
compared to existing welding machines.

Card 3/3

ZIL'BAN, M.S.

Foreign welders in the Soviet Union. Avtom.svar. 13 no.2:95  
F '60. (MIRA 13:5)

(Welding)

SHVETS, G.I. [Shvets', H.I.]; ZIL'BAN, M.S.; KOBERNIK, S.G. [Kobernyk, S.H.]; OLYNIK, A.Ya. [Oliinyk, O.IA.]; PIVOVAR, N.G. [Pyovovar, M.H.]; ROZOVSKIY, I.L. [Rozovs'kyi, I.L.]; SLOBODYAN, R.T.; DIDKOVSKIY, M.M. [Didkovs'kyi, M.M.], kand.tekhn.nauk, otd.red.; KRENTSEL', Sh.O. [Krentsel', Sh.H.], red.-leksikograf; SHIKAN, V.L., red.izd-va; BUNIY, R.O., tekhn.red.

[Russian-Ukrainian hydraulic-engineering dictionary; 13000 terms]  
Russko-ukrainskii gidrotekhnicheskii slovar'. 13000 terminov. Kiev,  
Izd-vo Akad.nauk USSR, 1960. XIV, 192 p. (MIRA 13:7)

(Hydraulic engineering--Dictionaries)  
(Russian language--Dictionaries--Ukrainian)

KOVSHULYA, A.A. [Kovshulia, O.A.]; GARMASH, N.Z. [Harmash, N.Z.];  
ZIL'BAN, M.S.; KUCHEROV, P.S., otv.red.; BURYACHOK, A.A.,  
zhd.filolog.nauk, red.-leksikograf; SHTUL'MAN, I.P., red.  
izd-vs; BUNIY, R.O., tekhn.red.

[Russian-Ukrainian mining dictionary] Russko-ukrainskii gornyi  
slovar'. 20000 terminov. Sost. A.A. Kovshulia, N.Z. Garmash i M.S.  
Zil'ban. Kyiv, 1959. 271 p. (MIRA 13:3)

1. Akademiya nauk USSR, Kiyev. 2. Chlen-korrespondent AN USSR  
(for Kucherov).

(Russian language--Dictionaries--Ukrainian)  
(Mining engineering--Dictionaries)

SOV/125-60-2-19/21

Foreign Welders in the Soviet Union

Machine Building Plant), the Taganrogskiy zavod "Krasnyy Kotel'shchik" (Taganrog Plant "Krasnyy Kotel'shchik"), the Barnaul'skiy kotel'nyy zavod (Barnaul Boiler Plant), and the zavod im. Likhacheva (Plant imeni Lihachev) in Moscow to see electro-slag welding applied in practice. In October and November two delegations of 8 French specialists and businessmen visited the Electric Welding Institute. The first group was headed by Mr. Pants, (Russian transliteration) General President of the training center for the production of metal constructions. It consisted of scientists, trade-union workers, and managers of enterprises. The second group was headed by the Deputy Director of the Central Institute of Welding in Paris Mr. Granzhon (transliteration). It consisted of seven managers and welding engineers of the firms "Longapen", "Aro", "Sarazen" and others. They also visited the Moskovskiy zavod malolitrazhnykh avtomobiley.

Card 2/4

SOV/125-60-2-19/21

## Foreign Welders in the Soviet Union

(Moscow Plant of Small-Displacement Automobiles), the Vsesoyuznyy nauchno-issledovatel'skiy institut elektrovarochnogo oborudovaniya (All-Union Scientific Research Institute of Electric Welding Equipment), the zavod "Elektrik" ("Electric" Plant) in Leningrad, and the zavod "Leninskaya Kuznitsa" (Plant "Leninskaya Kuznitsa") and opytnyy zavod Instituta elektrosvarki (Experimental Plant of the Institute of Electric Welding) in Kiyev. Professor Allen, Vice-President of the Metallurgical Institute of Great Britain and Member of the Royal Society, visited the Institute of Electric Welding in December. A group of welding specialists from Czechoslovakia included Star, Komolik, Grossmann and Svoboda. A large group of scientists and engineers from China came last December, including nine leading Chinese welding specialists. Two engineers came from Yugoslavia and stayed the end of 1959 and beginning of 1960:

Card 3/4

SOV/125-60-2-19/21

Foreign Welders in the Soviet Union

Zhivoin Khiba, Engineer of Belgrad University, and  
Bozhidar Milayevich (names transliterated), Engineer  
of the Obshchestvo po razvitiyu svarki v Serbskoy re- ✓  
spublike (Association for Progress of Welding in the  
Serbian Republic.

Card 4/4

19(8)

AUTHOR:

Zil'ban, M.S.

SOV/125-59-8-17/18

TITLE:

At the Institute of Electric Welding imeni Ye.O. Paton

PERIODICAL:

Avtomicheskaya svarka, 1959, Nr 8, pp 95-96 (USSR)

ABSTRACT:

This short item reports on the award of the golden "Grand Prix" medal by the jury of the Brussels World Fair to the Institut elektrosvarki imeni Ye.O. Patona (Institute of Electric Welding imeni Ye.O. Paton) and the Taganrogskiy zavod "krasniy kotel'shchik" (Taganrog "Red Boiler-Maker" Works) for the electric "slag" welding process. This method of joining metals of practically unlimited thickness was developed at the Institute of Electric Welding imeni Ye.O. Paton in collaboration with production workers of the Novo-kramatorskiy mashinostroitel'niy zavod (Novo-Kramatorskiy Machine Construction Works), and the "Red Boiler-Maker" Works. Its inventors were awarded the Lenin prize in 1957. The "Grand Prix" was awarded in a ceremony in June in the conference hall of the Institute. N.P. Semenenko, Vice President and academician of the Academy of

Card 1/2

SOV/125-59-8-17/18

At the Institute of Electric Welding imeni Ye.O. Paton

Sciences (AN) of the UkrSSR, presented the award. K.K. Khrenov, academician of the Academy of Sciences of the UkrSSR, and B.Ye. Paton, Director of the Institute of Electric Welding imeni Ye.O. Paton, and academician of the Academy of Sciences of the UkrSSR, who accepted the award, spoke at the ceremony. There is 1 photograph.

Card 2/2

18(5,7)  
AUTHOR:

Zil'ban, M.S.

SOV/125-59-7-16/19

TITLE:

Foreign Experts at the Paton Institute of Electric  
Welding

PERIODICAL: Avtomaticheskaya svarka, 1959, Nr 7, pp 95-96 (USSR)

ABSTRACT:

A group of experts in welding from the GDR headed by Walter Anders visited the Soviet Union in May. They spent a few days in the Paton Institute of Electric Welding and became acquainted with the achievements of Soviet welding science and technology. At a session of the Scientific Council of the Institute, Mr. Anders delivered a very interesting report on development of welding technology in the GDR. The delegation visited also a number of works in Moscow, Kiyev, Rostov, where they investigated the rational methods applied to machine-building and welded constructions. Before his departure from Kiyev, Mr. Anders declared: "During our visit of the Paton Institute, we were particularly interested in welding in a protective atmosphere of

Card 1/2

SCV/125-50-7-16/19

Foreign Experts at the Paton Institute of Electric Welding

carbon dioxide, in surfacing by fusion under flux, in automatic welding of aluminum, and in other processes of welding. The achievements of the Soviet welders in this field are really great; we can say with certainty that some of your methods will be utilized in our country".

Card 2/2

AUTHOR:

Zil'ban, M.S.

907/125-59-7-17/19

TITLE:

Foreign Experts at the Paton Institute of Electric Welding

PERIODICAL:

Avtomatischekaya svarka, 1959, Nr 7, p 96 (USSR)

ABSTRACT:

A delegation of experts in welding from Czechoslovakia visited the Institute of Electric Welding and stayed four days. Inspecting the Institute, the delegation displayed particular interest in the application of welding electrodes and fluxes, technology and metallurgy of welding, surfacing of metals, welding of austenitic steels, and for welding equipment in general. Among other things, there were demonstrated before the Czech experts the method of welding by electronic rays, welding in chambers with controlled atmosphere, electric heavy welding by means of wire and lamelled electrodes, surfacing with high-alloyed metals, etc. An agreement on the mutual exchange with technical information between both countries was reached.

Card 1/1

SOV/125-59-7-18/19

18(5,7)  
AUTHOR:

Zil'van, M.S.

TITLE:

Foreign Experts at the Paton Institute of Electric  
Welding

PERIODICAL: Avtomaticheskaya svarka, 1950, Nr 7, p 96 (USSR)

ABSTRACT: Two scientists from the Institute of Electric welding  
in Gliwice (Poland) visited the Paton Institute and in  
the course of ten days became thoroughly acquainted  
with the development of Soviet welding technology.  
They devoted special attention to the methods of elec-  
tric welding under flux, gas-electric welding and to  
the welding equipment used for these ends. Before  
their departure from the Soviet Union, they called on  
the editors of the "Avtomaticheskaya svarka" and de-  
clared: "The Soviet Union occupies by right the first  
place in the world as far as the science of welding  
and its technology are concerned. This we have seen  
with our own eyes. Particularly the multitude of diffe-  
rent types of welding equipment stands out. We bring  
home a realization that Soviet welders are well pre-

Card 1/2

SOV/125-59-7-18/19

Foreign Experts at the Paton Institute of Electric Welding  
pared and are excellent specialists in their branch".

Card 2/2

18(5,7)  
AUTHOR:

Zilban, M.S.

S07/125-59-7-19/19

TITLE: Foreign Experts at the Paton Institute of Electric  
Welding

PERIODICAL: Avtomaticheskaya svarka, 1959, Nr 7, p 96 (USSR)

ABSTRACT: J. Pomé, head of the scientific-research department of Renault works (France), visited the Paton Institute, with the end to become acquainted with the new methods of welding. There were demonstrated before him the different machines for testing welded joints and constructions, the processes of electric welding under flux, welding in protective atmosphere of carbon dioxide, surfacing of metals by fusion, free-edge welding, etc. Mr. Pomé was especially interested in the large plants for vibration-testing of welded constructions and in the welding equipment for heavy metal welding.

Card 1/1

USCOMM-DG-61,252

DUMANSKIY, A.V.; FIALKOV, Ya.A., otv.red.; ZIL'BAN, M.S., red.; RAKHLINA, H.P.; tekred.

[Development of Russian colloid chemistry] Razvitiye otechestvennoi kolloidnoi khimii. Kiev, Izd-vo Akad.nauk USSR, 1952. 27 p.

(MIRA 124)

1. Deystvit'nyy chlen Akademii nauk USSR (for Dumanskiy).
2. Chlen-korrespondent Akademii nauk USSR (for Fialkov).

(Colloids)

ZIL' BAN, M.I. -

SHCHERBAN', Aleksandr Nazarovich, YAGEL'SKIY, Anatoliy Naumovich, BARATOV,  
Emil' Iosifovich, KUCHEROV, P.S., otv.red.; ZIL'BAN, M.S., red.;  
SKLYAROVA, V.Ye. tekhn.red.

[Simplified methods for making thermal calculations for mine  
ventilation in Donets Basin mines] Uproshchennye sposoby teplovyykh  
raschetov rudnichnogo vozdukha v shakhtakh Donbassa. Izd. 2.,  
perer. i dop. Kiev, Izd-vo Akad.nauk USSR, 1958. 156 p. (MIRA 11:8)

1. Chlen-korrespondent AN USSR (for Kuchero)   
(Donets Basin—Mine ventilation)

ZIL'BAN (v.)

ALEKSAPOL'SKIY, D.Ya.; SUKHOMEI, G.I., akademik, otvetstvennyy red.;  
ZIL'BAN, M.S., red.; ZHUKOVSKIY, A.D., tekhn.red.

Georgii Fedorovich Proskura. Kiev, Izd-vo Akad.nauk USSR, 1956.  
19 p. (MIRA 11:1)

1. AN USSR (for Sukhomel).  
(Proskura, Georgii Fedorovich, 1876- )

ZIL'BAN, M.S.

Scientific conference dedicated to th 90th anniversary of  
E.O.Paton's birth. Avtom.svar. 13 no.6:90-96 Je '60.  
(MIRA 13:7)

(Paton, Evgenii Oskarovich, 1870-1953)  
(Electric welding)

ZIL'BAN, M.Ye.  
ROZOVSKIY, Izraill' L'vovich; DUKOVSKIY, M.M., kandidat tekhnicheskikh nauk,  
otvetstvennyy redaktor; ZIL'BAN, M.Ye., redaktor izdatel'stva;  
RAKHLINA, N.P., tekhnicheskiy redaktor

[Flow of water around bends in open channels] Dvizhenie vody na  
povorots otkrytogo rusla. ,iev, Izd-vo Akad.nauk USSR, 1957. 187 p.  
(Hydraulics) (MLRA 10:7)

ZIL'BAR, A. L.

"On certain problems of modern immunology."

report submitted at the 13th All-Union Congress of Hygienists,  
Epidemiologists and Infectionists, 1959.

ZILIBAR, A. G.

TECHNOLOGY

CONTINUOUS PRODUCTION OF METAL STRUCTURES BY MEANS OF HIGH-SPEED ELECTRIC WELDING, MOSKA, UOLETEKHNIZDAT,  
1951.

9. Monthly List of Russian Accessions, Library of Congress, DECEMBER 1952, 1953, Uncl.

GOSZTONYI, Sandor; LEHR, Ferenc, a muszaki tudomanyok kandidatusa;  
FICHTNER, Kurt; MARECKI, Jacek, prof., dipl. ing. (Lengyelorszag);  
WRESNIEWSKI, Romuald; BURSZTYNSKI, Janusz; HUEBNER, Ewald;  
KIEFER, Erich; BOIE, Werner, prof., dr. ing. (Nemet Demokrati-  
kus Koztarsasag); BOSNIC, Cedomir (Jugoslavia); ZILBER,  
Aleksander. (Lengyelorszag); GRUBER, S.M. (Anglia); STANCESZKU,  
Ian, prof. (Romania); BONKALO, Tamas, dr.; ENDRENYI, Sandor;  
KATONA, Kalman; KOHARY, Lajos

Rationalization in power utilization in the field of the light  
industry. Ipari energia 3 no.1/2:32-38 Ja-F '62.

1. Konnyuipari Miniszterium helyettes foosztalyvezetője (for  
Gosztonyi). 2. Konnyuipari Tervezo Iroda (for Lehr). 3. Textili-  
pari Kutato Intezet (for Bonkalo). 4. Papiripari Kutato Intezet  
(for Endrenyi).

## PHASE I BOOK EXPLANATION

Sov/54/52

Donatov, Ye. Ye., G.I. Kardash, and I.P. Lyslyuk, eds.

Mekhanizatsiya i avtomatizatsiya selskogo vodstveniya na Kharkovskikh i avtomatizatsiya i selskogo vodstveniya na Kharkovskikh selskikh sotsialisticheskikh kolhozov. Byt'Kharkovskikh selskikh sotsialisticheskikh kolhozov (Mechanization and Automation Collection of Articles on the Introduction of Mechanization and Automation in Kharkov Machinery-Manufacturing Plants) [Kharkov: Kharkovskoye Knizhnoye Izdatelstvo, 1960]. 575 p. 5,900 copies printed.

**Editorial Board:** S.A. Vorob'yov, Candidate of Technical Sciences; Chairman of the Editorial Board: P.I. Zangis, Engineer; A.A. Katalov, Engineer; V.I. Kurnikov, Engineer; A. Ye. Leonov, Doctor; A.F. Tupitsyn, Candidate of Technical Sciences, and S.M. Khnare, Candidate of Technical Sciences; Eds.: Ya. Ye. Donatov, G.I. Kardash, and I.P. Lyslyuk; Tech. Eds.: M.I. Izmornova.

**PURPOSE:** This collection of articles is intended for technical and scientific personnel, outstanding workers, and shock workers of communist labor.

**COVERAGE:** The multifaceted experience of Kharkov enterprises in the mechanization, automation, and improvement of manufacturing processes is generalized. The development of new machines, instruments, and production methods is considered and attention is given to newly established enterprises, and to the introduction of telecommunications in the Kharkov gas-system management. By including concrete examples and facts, the authors of the various articles attempt to demonstrate the achievements of the Khar'kov industrial complex in fulfilling the resolutions of the June (1959) and July (1960) Plenums of the Central Committee of the Communist Party of the Soviet Union. No personalities are mentioned. There are no references.

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Berezin, S.I. [Chief Engineer of the Khar'kov Turbine Plant] Annual Report, and V.A. Kotov [Deputy Chief Process Engineer]. Experience in Mechanization and Automation 101

Mazurov, V.M. [Chief Engineer of the Khar'kovskiy elektromekhanicheskiy zavod - Kharkov Electromechanical Plant], and N. Ye. Polotskiy [Deputy Chief Plant Engineer]. Full Mechanization and Automation at the SEZC 117

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ZIL'BER, A.P., kand.med.nauk (Petrozavodsk, ul Titova, d.12., kv.13 )

Anesthesiological problems in electrostimulation of the heart. Vest. khir. 91 no.7:57-60 Jl'63 (MIRA 16:12)

1. Iz anestzeziologicheskogo otdeleniya respublikanskoy bol'niitsy L.T.Filimonova) Karel'skoy ASSR.

ZIL'BER, A.P.

Intubation potentiated anesthesia with the use of muscle relaxants.  
Vest. khir. 84 no. 2:111-114 F '60. (MIRA 14:1)  
(MUSCLE RELAXANTS) (INTRATRACHEAL ANESTHESIA)

ZIL'BER, Anatoliy Petrovich; VANEVSKIY, V.L., nauchnyy red.; SHEENTER,  
D.I., red.; POD"EL'SKAYA, K.M., tekhn. red.

[Surgical position and anesthesia; circulatory and respiratory  
reactions to posture in anesthesiology] Operatsionnoe polozhenie  
i obezbolivanie; postural'nye reaktsii krovoobrashcheniya i dy-  
khamnia v anesteziologii. Petrozavodsk, Gos. izd-vo Karel'skoi  
ASSR, 1961. 250 p. (MIRA 15:3)  
(ANESTHESIOLOGY) (SURGERY, OPERATIVE)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065120007-8

ZIL'BER, A.P.

Choice of method for anesthesia in general surgical operations on  
patients with pulmonary tuberculosis. Probl. tub. 38 no. 5:73-77  
'60. (MIR/ 14:1)

(TUBERCULOSIS) (ANESTHESIA) (LUNGS—SURGERY)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065120007-8"

ZIL'BER, A. P.

Cand Med Sci - (diss) "Post-ural reactions of blood circulation and respiration in connection with the anesthetic method." Lenin-grad, 1961. 20 pp; (Academy of Sciences USSR, Inst of Physiology imeni I. P. Pavlov); 300 copies; price not given; (KL, 10-61 sup, 284)

ZIL'BER, A.P.

Result of using modern methods of anesthesia in gynecological operations [with summary in English]. Akush. i gin. 34 no.5:85-90  
(MIRA 11:10)  
S-0 '58

1. Iz Raspublikanskoy bol'nitsy Ministerstva zdravookhraneniya Karel'skoy ASSR (glavnnyy vrach - zaslyzhennyy vrach Karel'skoy ASSR L.T. Filimonova), Petrozavodsk.  
(GENITALIA, FEMALE, surg.)

anesth. endotracheal, with potentiation (Rus)  
(ANESTHESIA, ENDOOTRACEAL,  
potentiated in gyn. surg. (Rus))

ZILBER, A.P.

Application of certain modern anesthetic methods in urology. Urologia  
24 no.2;11-15 Mr-Ap '59. (MIRA 12:12)

1. Iz Respublikanskoy bol'nitsy (glavnnyy vrach - zasluzhennyy vrach  
Karel'skoy ASSSR L.T. Filimonova) Karel'skoy ASSR.  
(URINARY TRACT, surg.  
anesth. (Rus))  
(ANESTHESIA,  
in urol. surg. (Rus))

ZIL'BER, A.P., kand. med. nauk

Modern methods of anesthesia in surgery on senile persons.  
Trudy Inst. im. N.V. Sklif. 9:218-221 '63. (MIRA 18:6)

1. Respublikanskaya bol'nitsa Kazakhskoy ASSR, Petrozavodsk.

ZIL'BER, D. A.

"The Use of Daylight Luminescent Tubes for Illuminating workshops,"

Gig. i San., No. 6, 1948.

Prof., Leningrad Inst. Labor Hygiene and occupational Diseases, -cl948-

ZIL'BER, D. A.

Zil'ber, D. A. - "The effect of noise stimulation on visual fatigue", Vracheb. delo, 1949, No. 5, paragraphs 445-48.

S O: U-4630, 16 Sept. 53, (Letopis 'Zhurnal 'nykh Statey, No. 23, 1949).

ZIL'BER, D. A.

33436. Voprosy Lyuminestsentnogo Osveshcheniya Na Iv Plenume Komiteta Po  
Gigiyene Osvescheniya. (Adad. Med. Nauch SSSR. Leningrad. Apr. 1949 G.).  
Gigiyena I Sanitariy, 1949, No. 10, c. 55-56.

SO. Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

ZILBER DA.

ZILBER, D. A., GUREVICH, F. M.

Ocular ergography in luminescent lighting. Gig. sanit., Moskva  
No. 10, Oct. 50. p. 19-23

1. Of Leningrad State Institute of Labor Hygiene and Occupational  
Diseases.

CLML 20, 3, March 1951

ZIL'PER, PROF. D. A.

Chemistry, Medical and Pharmaceutical - Leningrad

Scientific Session of the Leningrad Chemical-Pharmaceutical Institute. Med. pram.  
No. 5, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

ZIL'BER, D.A.

Problems of industrial hygiene in textbooks on safety engineering.  
Gig.1 san. no.4:57-59 Ap '54. (MIRA 7:4)  
(Industrial hygiene) (Industrial safety) (Zolotnitskii, Nikolai  
Dmitrievich) (Iachkov, K.M.) (Gorbatov, V.I.) (Tsetlin, B.V.)  
(Roizen, I.S.) (Tupitayn, G.S.) (Sheiko, G.S.)